

NETL

Vacancy Announcement

U.S. DEPARTMENT OF ENERGY - NATIONAL ENERGY TECHNOLOGY LABORATORY (NETL)

ANNOUNCEMENT NO.: NETL-10-12C

OPENING DATE: 3/17/10

CLOSING DATE: 3/23/10

POSITION: Interdisciplinary: General Engineer/Physical Scientist, GS-801/1301-15

LOCATION: Strategic Center for Coal
Office of Coal and Power R&D
Morgantown, WV or Pittsburgh, PA

SUBJECT TO:
Employment & Financial Interest Disclosure
Agreement Covering Discoveries, Inventions and Improvements

PROMOTION POTENTIAL: None

SALARY RANGE: (Includes locality pay)

Morgantown, WV:
\$113,735 – \$147,857 per annum

Pittsburgh, PA
\$115,937 - \$150,719 per annum

AREA OF CONSIDERATION: All eligible Office of Civilian Radioactive Waste Management (RW) employees.*

*RW employees will receive priority placement consideration for any vacancy within DOE under the DOE Internal Transition Assistance Plan (ITAP). RW employees will be considered and selected before any other candidate as long as the employee meets the qualification requirements for the position. This is being re-announced for the purpose of clearing the Career Transition Assistance Program (CTAP).

DUTIES AND RESPONSIBILITIES: The incumbent of this position serves as a Technology Manager for Fuel Cells. This position is located in the Strategic Center for Coal, Office of Coal and Power R&D (OCP&D) and implements national programs in coal, advanced power and fuels technologies in partnership with industry, universities, and national laboratories. This Office

implements extramural R&D programs through subordinate divisions that evaluate the status of technology development; manage projects and prepare project documentation; review project progress and results and provide assessments; and participate in, and provide technical expertise to those in the Office of Fossil Energy and the National Energy Technology Laboratory. The Technology Manager for Fuel Cells focuses on the research and development for high temperature solid oxide fuel cell systems that operate using fossil fuels with improved efficiency, better performance, lower costs, and increased reliability. The Technology Manager for Fuel Cells also serves as the manager, coordinator, and key focal point for the Solid State Energy Conversion Alliance (SECA) Program. The incumbent is responsible for program planning, budget planning, project development, technology integration, and other technology-related activities. Responsibilities also include outreach and marketing; focal contact for agencies, companies, and other groups outside of NETL; and preparation of strategic plans. In this regard, the incumbent must integrate the private sector drivers and needs with the public goals and objectives to consider private interests such as; profit motives, and current, pending, and future environmental regulatory and policy impacts, and community relations and business position.

QUALIFICATION REQUIREMENTS: Applicants must have general and/or specialized experience and any selective placement factors as described below. This requirement is in accordance with the OPM Qualifications Standards Operating Manual, available in any Government Personnel Office, which specifies when and how education may be substituted for the experience.

BASIC REQUIREMENTS FOR ENGINEER:

A. Degree: Professional engineering. To be acceptable, the curriculum must (1) be in a school of engineering with at least one curriculum accredited by the Accreditation Board of Engineering and Technology (ABET) as a professional engineering curriculum; or (2) include differential and integral calculus and courses (more advanced than first-year physics and chemistry) in five of the following seven areas of engineering science or physics: (a) statics, dynamics; (b) strength of materials (stress-strain relationships); (c) fluid mechanics, hydraulics; (d) thermodynamics; (e) electrical fields and circuits; (f) nature and properties of materials (relating particle and aggregate structure to properties); and (g) any other comparable area of fundamental engineering science or physics, such as optics, heat transfer, soil mechanics, or electronics; **OR**

B. If you do not meet the basic engineering requirement above, you may qualify with a combination of education and experience -- college level education, training, and/or technical experience that furnished (1) a thorough knowledge of the physical and mathematical sciences underlying professional engineering and (2) a good understanding, both theoretical and practical, of the engineering sciences and techniques and their applications to one of the branches of engineering. The adequacy of such background must be demonstrated by one of the following:

- (1) Professional Registration -- Current registration as a professional engineer by any State, the District of Columbia, Guam, or Puerto Rico. Generally, such registration must require a written test. If you qualify for registration by means other than a written test (such as State grandfather or eminence provision), you are eligible only for the specialty field of your registration.
- (2) Written Test -- Evidence of having successfully passed the Engineer-in-Training (EIT) examination and have completed all the requirements for either (a) a bachelor's degree in engineering technology (BET) from an accredited college or university which included 60 semester (90 quarter) hours of courses in the physical, mathematical, and engineering sciences, or (b) a BET from a program accredited by the Accreditation

Board for Engineering and Technology (ABET). Eligibility is limited to positions that are within or closely related to the specialty field of the engineering technology program.

- (3) Specific Academic Courses -- Successful completion of at least 60 semester hours of courses in the physical, mathematical, and engineering sciences and engineering, which included the courses specified in Paragraph A. The courses must be fully acceptable toward meeting the requirements of a professional engineering curriculum as described in Paragraph A.
- (4) Related Curriculum -- Successful completion of a curriculum leading to a bachelor's degree in engineering technology or in an appropriate professional field, e.g., physics, chemistry, architecture, computer science, mathematics hydrology, or geology, may be accepted in lieu of a degree in engineering, provided the applicant has had at least 1 year of professional engineering experience acquired under professional engineering supervision and guidance. **AND**

ADDITIONAL EXPERIENCE: In addition to meeting basic qualification requirements, candidates must possess 1 year of specialized experience equivalent to the next lower grade level (GS-14) in the Federal service which has equipped them with the specific knowledge, skills, and abilities to successfully perform the duties of this position. Experience at this level typically involves research and/or project management technology leadership experience involving advanced energy systems within an RD&D or similar organization.

BASIC REQUIREMENTS FOR PHYSICAL SCIENTIST:

A. Degree: Physical science, engineering, or mathematics that included 24 semester hours in physical science and/or related engineering science such as mechanics, dynamics, properties of materials, and electronics. **OR**

B. Combination of education and experience—education equivalent to one of the majors shown in A above that included at least 24 semester hours in physical science and/or related engineering science, plus appropriate experience or additional education. **AND**

ADDITIONAL EXPERIENCE: In addition to meeting basic qualification requirements, candidates must possess 1 year of specialized experience equivalent to the next lower grade level (GS-14) in the Federal service which has equipped them with the specific knowledge, skills, and abilities to successfully perform the duties of this position. Experience at this level typically involves research and/or project management technology leadership experience involving advanced energy systems within an RD&D or similar organization.

FOREIGN EDUCATION

Applicants who have completed part or all of their education outside of the U.S. must have their foreign education evaluated by an accredited organization to ensure that the foreign education is comparable to education received in accredited educational institutions in the U.S. A written evaluation of any foreign education must be provided with your application in response to this vacancy announcement or be received by the closing date of this announcement. For a listing of services that can perform this evaluation, see the National Association of Credential Evaluation Services (NACES) website at <http://www.naces.org/members.htm>. Failure to provide this evaluation will result in you being found unqualified for the position.

PLEASE NOTE: If your foreign education has already been accepted by an accredited U.S. educational institution as part of a degree program with that institution, you do not need to provide an evaluation of foreign education but must submit a copy of the transcripts listing the degree from the U.S. accredited institution that accepted your foreign education.

BASIS OF EVALUATION: Qualified applicants will be rated against the established quality ranking factors (QRF). The extent to which a candidate possesses each knowledge, skill, and/or ability will be determined by measuring the level of experience, education, and training as they relate to each quality ranking factor. The quality ranking factors listed below have been weighted by the Selecting Official based on their relative importance to the position being filled.

RATING/RANKING OF APPLICANTS WILL BE BASED SOLELY ON INFORMATION CONTAINED IN THE CANDIDATE'S APPLICATION PACKAGE; THEREFORE, CANDIDATES ARE REQUESTED TO SPECIFICALLY ADDRESS EACH QUALITY RANKING FACTOR AND HIGHLIGHT THE SIGNIFICANCE OF THEIR SPECIFIC EXPERIENCE. FAILURE TO ADDRESS THE QUALITY RANKING FACTORS MAY RESULT IN A LOWER RATING.

1. Knowledge of the scientific and engineering concepts, principles, and practices related to coal-based power generation systems, including research and development of high temperature solid oxide fuel cells that operate using fossil fuels. (30%)
2. Knowledge of business management practices and current and future policy, regulatory, and legislative mandates important to the development and commercial use of coal-based power generation systems technology, including high temperature solid oxide fuel cells that operate using fossil fuels, for central station and distributed fossil energy power systems. (25%)
3. Knowledge of strategic technology planning, program development, and project implementation techniques to prepare, support, and defend product budgets and plans and initiate product activities. (20%)
4. Ability to work collaboratively and negotiate with executive-level government and industrial sponsors and participants to develop complex energy and environmental projects and/or agreements. (15%)
5. Skill in written and oral communications in order to effectively present complex management and technical information, to negotiate with executive-level government and industrial sponsors, to market new business development, and to work effectively with management, peers, and outside groups. (10%)

PERFORMANCE AND AWARDS: In addition to evaluation of the above quality ranking factors, the Selecting Official will also consider each candidates current or last annual performance appraisal and relevant awards as part of the selection process.

NOTES:

The U.S. Department of Energy is an Equal Opportunity Employer.

NOTICE: Federal law requires all employers to verify the identity and employment eligibility of all persons hired to work in the United States. All applicants are subject to Employment Verification (E-Verify).

RW will pay relocation expenses if a geographic move is required.

As a condition of employment, new employees are required to arrange for direct deposit of paychecks.

NETL provides reasonable accommodations to applicants with disabilities. If you need a reasonable accommodation for any part of the application and hiring process, please notify the NETL HR Office. The decision on granting reasonable accommodation will be on a case-by-case basis.

You must include your Social Security number on your application.

This position is not included in the bargaining unit.

For more information about the National Energy Technology Laboratory (NETL), please visit our website at www.netl.doe.gov. The status of all NETL vacancy announcements can be found at www.netl.doe.gov under career opportunities.

TO APPLY: Please complete the following steps to submit your application online:

1. Register with USAJOBS, which includes Building a resume:

Once you have completed the initial registration process with www.usajobs.opm.gov click on the **Resume** link. Next, click on the **Build New Resume** link if you have not created and stored a resume in USAJobs. NETL does not accept resumes from the **Upload New Resume** link.

Prior to applying online for the position, upload the required and recommended documents identified below by clicking on the **Saved Documents** link. To upload a document, click **Browse...** and select a file stored on your computer to include in your portfolio. Click on the “?” to the right of **Upload a New Document** for additional information. Once selected and named, click **Upload**. After you have successfully uploaded a document, you can click to View or Delete your document(s) at any time. Be advised that once a document has been uploaded it cannot be edited. If the uploaded file must be changed, then it must be deleted, corrected, and then uploaded again. Also, if you have applied for the vacancy and want to change uploaded information, then you must correct the uploaded documents and reapply for the vacancy.

2. Select the vacancy announcement to which you wish to apply:

Locate the vacancy announcement on USAJOBS. Review the announcement thoroughly, including the Who May Apply, Qualifications and Required Documents sections. These sections describe what type of applicant is eligible to apply, what education and experience is required to be qualified for the position and which documents you will need to submit to support your application. Click the **Apply Online** link on the right side of the page and then select one of your stored resumes to submit with your application. Click on **Apply for this position now** to start the submission of your application.

REQUIRED DOCUMENTS:

****No attempt will be made to solicit missing materials from applicants who fail to submit them by the closing date. Incomplete applications will not be considered.****

All applicants are required to submit the following:

USAJobs Online Resume

Notification of Personnel Action (SF-50) (copy/most recent).

Annual Performance Appraisal (current).

College Transcript. (Unofficial transcript may be submitted, **or** a list of courses, grades earned, completion dates and quarter or semester hours earned can be a substitute for a transcript however, if selected an Official Transcript will be required.) **If you are a current Federal employee who is applying under this announcement and can provide a copy of an Official Personnel Action with your classified title in an Engineering and/or Physical Science series documented - an official transcript is not required).**

Foreign Education Equivalency (if applicable).

RECOMMENDED DOCUMENTS:

Supplementary statement addressing the quality ranking factors which highlights aspects of your background as they relate to the knowledge, skills, and abilities required by the position. Note: Rankings will be based solely on information contained in your application package. **Failure to address the quality ranking factors may result in a lower rating.**

Declaration of Federal Employment (OF-306 <http://www.opm.gov/Forms/html/of.asp>). This form is required if using the OF-612 or a Resume because it contains a statement certifying that to the best of your knowledge and belief, all of the information on and attached to the OF-306, is true, correct, complete, and made in good faith. False or fraudulent answers to any question on any part of this declaration or its attachments may be grounds for not hiring or for firing after beginning work, and may be punishable by fine or imprisonment.

Your complete online application and any required supplemental documentation (e.g., college transcripts, SF-50 or equivalent) must be received by 11:59 p.m. Eastern Time (ET) on the closing date of this announcement. It is also your responsibility to ensure that all documents are received on time and that the materials are readable. Failure to do so will result in your application being removed from consideration for this announcement.

If applying online poses a hardship, please contact us at the telephone number listed on this announcement. Applicants **MUST CONTACT US PRIOR TO THE CLOSING DATE** to speak to someone who can provide assistance for submission of application. Requests for extensions will not be granted. **EMAILED APPLICATIONS CANNOT BE ACCEPTED.**

Questions regarding this announcement may be addressed to Recruit_Mgn@netl.doe.gov or call Human Resources at (304) 285-4016.

WHAT TO EXPECT NEXT:

You may check your application status any time after the announcement closes. Go to the

USAJOBS web site and select **My Account - Main Page** at the top of the page. Enter your Username and Password to sign in and click the **Application Status** link under **My Account**. We will update your status when changes are made. If you have other questions or need other assistance, you may use the Human Resources contact information above.